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United States Department of Agriculture MONTHLY LIST OF PUBLICATIONS

MARCH, 1930

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A copy of any of the general publications listed herein, except those otherwise noted, may be obtained free upon application to the United States Department of Agriculture, Washington, D. C., as long as the department's supply lasts. Free distribution of periodicals is restricted.

After the department's supply is exhausted, publications may still be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., but by purchase only, and at the prices stated herein.

 Send all remittances to the Superintendent of Documents direct. His office is not a part of the Department of Agriculture.

GENERAL PUBLICATIONS

FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

Breeds of beef cattle. E. W. Sheets, Bureau of Animal Industry. Revised by W. H. Black. 26 p., figs. 18. (Farmers' Bulletin 612 F., Revised.) Price, 5¢.

Breeds of swine. E. Z. Russell, Bureau of Animal Industry. 18 p., figs. 18. (Farmers' Bulletin 1263 F., Revised.) Price, 5¢.

Dairy cattle breeds. Amer B. Nystrom, Bureau of Dairy Industry. 30 p., figs. 23. (Farmers' Bulletin 1443 F., Revised.) Price, 5¢.

TECHNICAL BULLETINS

The Technical Bulletins contain the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited, as they are intended primarily for scientific workers and subject-matter specialists.

Comparative strength properties of woods grown in the United States. L. J. Markwardt, Forest Service. 39 p. (Technical Bulletin 158 T.) Price, 10¢.

Agricultural survey of Europe: Hungary. Louis G. Michael, Bureau of Agricultural Economics. 104 p., figs. 7. (Technical Bulletin 160 T.) Price, 20¢.

Inheritance of composition of Washington Navel oranges of various strains propagated as bud variants. E. M. Chace and C. G. Church, Bureau of Chemistry and Soils. 23 p. (Technical Bulletin 163 T.) Price, 5¢.

Tests of large timber columns and presentation of the Forest Products Laboratory column formula. J. A. Newlin and J. M. Gahagan, Forest Service. 44 p., figs. 7, pls. 4. (Technical Bulletin 167 T.) Price 15¢.

Taxation of farm property. Whitney Coombs, Bureau of Agricultural Economics. 75 p., figs. 15. (Technical Bulletin 172 T.) Price, 15¢.

The bluegrass webworm. George G. Ainslie, Bureau of Entomology. 26 p., figs. 4. (Technical Bulletin 173 T.) Price, 10¢.

Properties of soils which influence soil erosion. H. E. Middleton, Bureau of Chemistry and Soils. 16 p. (Technical Bulletin 178 T.) Price, 5¢.

CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

The production of lily bulbs. David Griffiths, Bureau of Plant Industry. 56 p., figs. 44. (Circular 102 C.) Price, 20¢.

Johne's disease (paratuberculosis) of livestock. Elmer Lash and William M. Mohler, Bureau of Animal Industry. 8 p., figs. 2. (Circular 104 C.) Price, 5¢.

Tree hoppers and their control in the orchards of the Pacific Northwest. M. A. Yothers, Bureau of Entomology. 15 p., figs. 9. (Circular 106 C.) Price, 5¢.

Foaming of milk and cream. C. S. Leete, Bureau of Dairy Industry. 7 p., figs. 2. (Circular 108 C.) Price, 5¢.

Specific gravity and Baumé gravity tables for turpentine. W. C. Smith and F. P. Veitch, Bureau of Chemistry and Soils. 10 p. (Circular 110 C.) Price, 5¢.

DEPARTMENT CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Department Bulletin series.

The domestic oil burner. Arthur H. Senner, Bureau of Public Roads. 29 p., figs. 23. (Department Circular 405 DC., Revised.) Price, 10¢.

MISCELLANEOUS CIRCULARS

These circulars include those publications of a miscellaneous nature which do not fall within any of the other series issued by the department. The series closed with No. 110 and is replaced by the Miscellaneous Publications series.

State sanitary requirements governing admission of livestock. Compiled by the Bureau of Animal Industry from reports of accredited officials of each State. 108 p. (Miscellaneous Circular 14 MC., Revised.) Price, 15¢.

The cow tester's handbook. J. C. McDowell. Revised by J. E. Dorman and J. B. Parker, Bureau of Dairy Industry. 20 p., figs. 7. (Miscellaneous Circular 26 MC., Revised.) Price, 10¢.

MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

Workers in subjects pertaining to agriculture in State agricultural colleges and experiment stations. Mary A. Agnew, Office of Experiment Stations. 127 p. (Miscellaneous Publication 67 MP.) Price, 20¢.

Glossary of terms used in fire control. Prepared by Forest Service. 22 p. (Miscellaneous Publication 70 MP.) Price, 10¢.

Lantern slides and film strips of the United States Department of Agriculture. Prepared by the Office of Cooperative Extension Work, Extension Service. 14 p. (Miscellaneous Publication 72 MP.) Price, 5¢.

SOIL SURVEYS

These reports consist of two parts: (1) A soil map in colors showing the extent and distribution of the different soils in the area covered by the survey; and (2) a printed report containing brief descriptions of the area, its climate and agriculture, and detailed descriptions of the soils. They are of interest and value primarily to residents of the area surveyed and to soil specialists. All requests for Soil Surveys are referred to the Bureau of Chemistry and Soils which controls their distribution.

Georgia, Wayne County. 25¢.

Massachusetts, Essex County. 30¢.

North Carolina, Nash County. 15¢.

North Carolina, Rockingham County. 20¢.

STATISTICAL BULLETINS

Tables giving statistics relating to one or more closely related agricultural commodities. Of interest to persons engaged in marketing or any business affected by agricultural production.

Corn statistics, year ended December 31, 1928, with comparable data for earlier years. Prepared by the Division of Statistical and Historical Research, Bureau of Agricultural Economics. 140 p. (Statistical Bulletin 28 S.) Price, 25¢.

Statistics of oats, barley, and grain sorghums, year ended December 31, 1928, with comparable data for earlier years. Prepared by the Division of Statistical and Historical Research, Bureau of Agricultural Economics. 156 p. (Statistical Bulletin 29 S.) Price, 25¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. *Free distribution* is limited to persons in the employ of the department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Information, instructions, rulings, etc., concerning the work of the Bureau of Animal Industry. pp. 9-18. February, 1930. (S. R. A.—B. A. I. 274.) Price, 5¢.

Notices of Judgment under the food and drugs act. Compiled by the Food, Drug, and Insecticide Administration. N. J., F. D. 16526-16550, pp. 339-356, March, 1930; N. J., F. D. 16601-16625, pp. 399-412, [March], 1930; N. J., F. D. 16626-16650, pp. 413-427, March, 1930; N. J., F. D. 16651-16675, pp. 429-440, March, 1930.

Notices of Judgment under the insecticide act. Compiled by the Food, Drug, and Insecticide Administration. N. J., I. F. 1166-1175; pp. 55-63. March, 1930.

Notice of lifting of Asiatic beetle and Asiatic garden beetle quarantine. 1 p. (PQCA.—Lifting Q. 66.) Effective March 1, 1930.

OTHER PUBLICATIONS

Citrus culture in Porto Rico. Henry C. Henricksen. 34 p., figs. 16. (Porto Rico Bulletin 33.) Price, 10¢.

Plant material introduced by the Office of Foreign Plant Introduction, Bureau of Plant Industry, July 1 to September 30, 1928 (Nos. 77261 to 77595). 20 p. (Inventory No. 96.) Price, 5¢.

Report of the Guam Agricultural Experiment Station, 1928. C. W. Edwards and others. 31 p., figs. 7. Price, 10¢.

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 14, No. 3. March 1, 1930. Price 5¢ a copy; 25¢ a year, domestic; 40¢ a year, foreign.¹

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

Climatological data. Vol. 16, No. 12. December, 1929.

In 42 sections, containing weather statistics for 42 separate sections, each corresponding, as a rule, to a State. Monthly information for 1 section is 50¢ a year; for data regarding all 42 sections, 35¢ a month, or \$4 a year.¹ Not for general distribution.

Crops and markets. Vol. 7, No. 2, February; Vol. 7, No. 3, March, 1930. Price, 5¢ a copy; 60¢ a year, domestic; 85¢ a year, foreign.¹

Statistics concerning crops and livestock estimates and market information; reports on supplies, stocks, commercial movement, condition and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

Daily Weather Maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price, daily, except Sundays and holidays, 25¢ a month, \$2.50 a year; daily, including Sundays and holidays, 30¢ a month, \$3 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscriptions, \$6.65 a year. Maps DD, E, and CM, showing the weather conditions and forecasts, are issued at numerous stations throughout the United States; 20¢ a month, \$2 a year.¹

Experiment Station Record. Vol. 62, No. 2, February, 1930; No. 3, February Abstract Number; No. 4, March, 1930. Single numbers for sale only. Price, 10¢.¹

A technical review of the world's scientific literature pertaining to agriculture. Two volumes a year, of 10 numbers each; 75¢ a volume, domestic; \$1.25 a volume, foreign.

Forest Worker. Vol. 6, No. 1. January, 1929. Price 5¢ a copy; 25¢ a year, domestic; 35¢ a year, foreign.¹

News of State forestry, forestry education, private forestry, and the work of the Forest Service.

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

Journal of Agricultural Research. Vol. 39. Index. 1930. 5¢.

——— 40, No. 4. Illus. February 15, 1930. 20¢.

CONTENTS:

Protein content of reed canary grass on peat soils. Minn.—65. Frederick J. Alway and G. H. Nesom.

The morphology and biology of *Eulimneria crassifemur*, an important parasite of the European corn borer. K-205. W. R. Thompson and H. L. Parker.

The possible toxicity of grain-sorghum smuts. Okla.—16. V. G. Heller, Charles Caskey, and H. L. Parker.

Inheritance of resistance to bunt, *Tilletia tritici*, in White Odessa wheat. G-707. Fred N. Briggs.

Isolation and purification of alcohol-soluble protein (prolamin) occurring in English ryegrass (*Lolium perenne*). G-713. S. L. Jodidi.

Thresher injury a cause of baldhead in beans. G-714. L. L. Harter.

Bacterial leaf spot of squash. G-718. Mary K. Bryan.

——— 40, No. 5. Illus. March 1, 1930. 20¢.

CONTENTS:

Fruit-bud development in strawberry varieties and species. G-701. George F. Waldo.

Fruit-bud formation in everbearing strawberries. G-702. George F. Waldo.

Effect of leaf rust (*Puccinia triticea* Eriks.) on yield of wheat. G-706. E. B. Mains.

Leaf spot and foot rot of Kentucky bluegrass caused by *Helminthosporium vagans*. G-716. Charles Drechsler.

Wool fineness as influenced by rate of growth. A-135. J. I. Hardy and J. B. Tennyson.

The chemical composition of colloidal material isolated from the horizons of various soil profiles. H-16. I. A. Denison.

Price, 20¢ a copy; \$4 a year, domestic; \$5.25 a year, foreign.¹ Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work. Separates of articles are distributed free to those desiring them as long as the limited supply lasts.

Monthly Weather Review. Vol. 57, No. 12. December, 1929. Illus. Price, 15¢ a copy; \$1.50 a year, domestic; \$2.25 a year, foreign.¹ Not for general distribution.

Contains (1) meteorological contributions and bibliography, (2) weather charts for the month with an interpretive summary, and (3) climatological tables.

The Official Record. Vol. 9, Nos. 10-13. March 6, 13, 20, 27, 1930. Price, 5¢ a copy; 50¢ a year, domestic; \$1.10 a year, foreign.

Contains official orders and miscellaneous information concerning the department's activities and such other matter as should be brought to employees' attention.

Public Roads. Vol. 7. Index. 5¢

Snow and Ice Bulletin. Nos. 12-15. March 5, 12, 19, 26, 1930. 1 p., map. 50¢ a year.¹ Free distribution limited to cooperators with the Weather Bureau.

Issued on Tuesdays during the winter. Based on data from regular Weekly Bureau and selected cooperative stations. As far as practicable all reports of snow and ice are given.

Weekly weather and crop bulletin. Nos. 9-12. March 4, 11, 18, 25, 1930. Price, 50¢ a year, domestic; \$1 a year, foreign.¹

Gives detailed weather conditions of preceding weeks and their effect on development of crops and farm operations. Limited edition.

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.